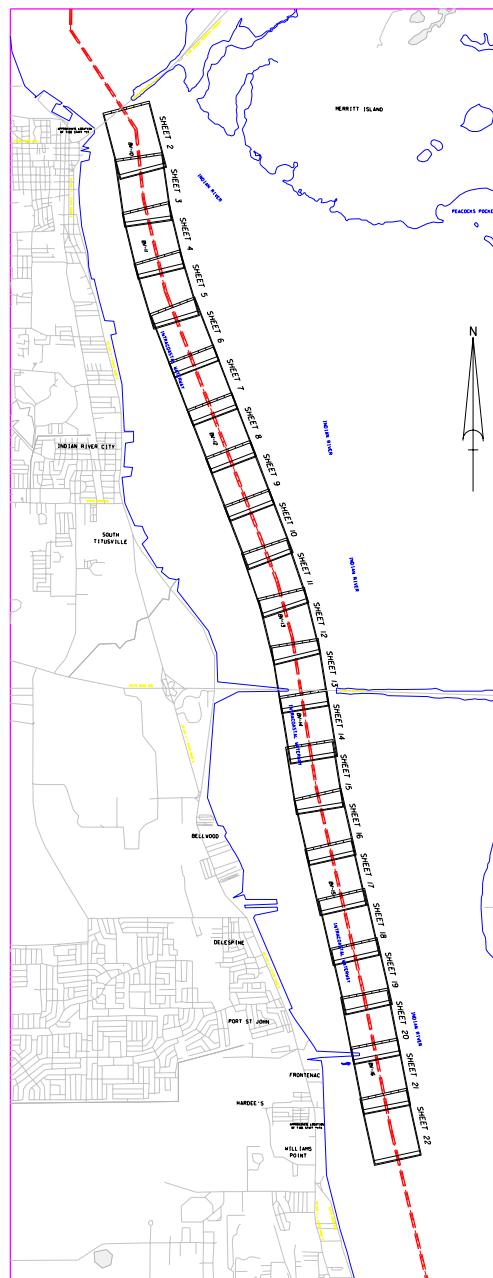




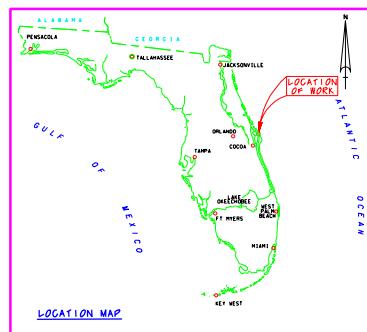
US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approve _____
Description _____



INTRACOASTAL WATERWAY CUTS BV-10 THRU BV-16 BREVARD COUNTY, FLORIDA PROJECT CONDITION SURVEY

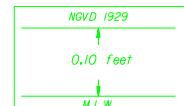


SURVEY NOTES:

1. REFER TO SURVEY NO. 00-213.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW) WHICH IS 0.1 FEET BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A WOODEN PILING IN THE CENTER OF THE CHANNEL REFERENCED FROM BENCHMARK "IWBY-202" 1952' AND FROM A STAFF SET IN WATER APPROX. 100' NORTH OF AND REFERENCED FROM BENCHMARK "GATE-3".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1927 (NAD27).
6. ALL AZIMUTHS ARE GRID RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.
9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
- II. SURVEY QUALITY CONTROL STANDARDS AND FIELD EQUIPMENT CALIBRATIONS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH EM 1100-2-1003 FOR CLASS I HYDROGRAPHIC SURVEYS.

VESSEL	DATE OF SURVEY	CUT
WB-34	18-20 & 25 JULY 2000	CUT BV-10 THRU CUT BV-16

BENCHMARK	NGVD ELEV. (FT)
IWBY-202	2,848
GATE-3	10.095



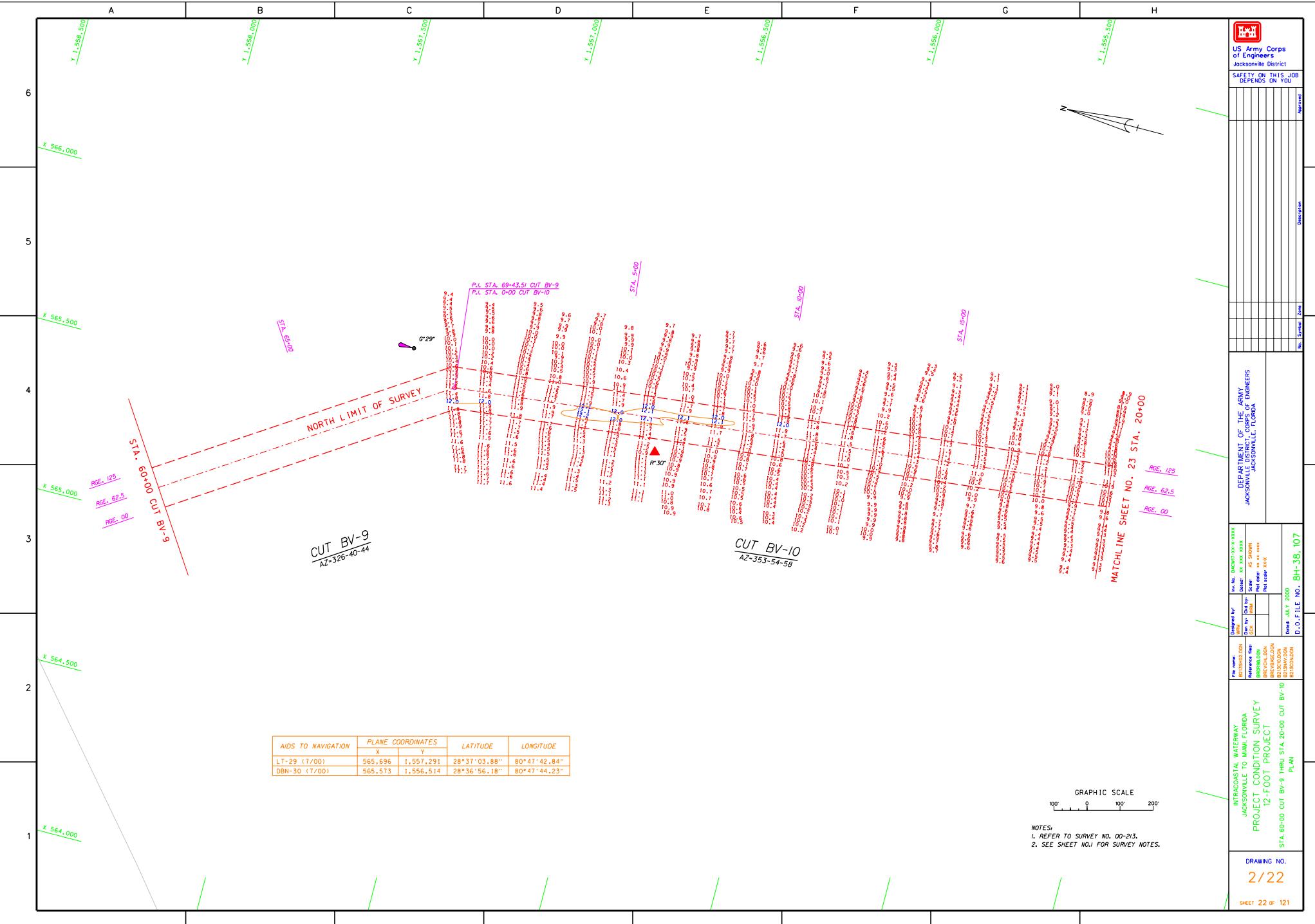
Relationship between NGVD 1929
and COE Mean Low Water Tidal Datum

LEGEND	
BM	BENCHMARK
LIGHTED BEACON	
GREEN DAYBEACON	
RED DAYBEACON	
RED LIGHTED BUOY	
GREEN LIGHTED BUOY	
CAN BUOY	
NUN BUOY	
TIDE STAFF	

DEPARTMENT OF THE ARMY
HEADQUARTERS OF THE ARMY
ENGINEERS
JACKSONVILLE, FLORIDA

Project Name: DRAFTED BY: XXX-XXXX
Benchmarks Used: BM: XXX-XXXX
Reference Site: COC: As Shown
Scale: 1:24,000
Surveyor: P.M. _____
Date: July 2000
D.O.F. File No.: 8H-38,107

DRAWING NO.
1/22
SHEET 1 OF 121



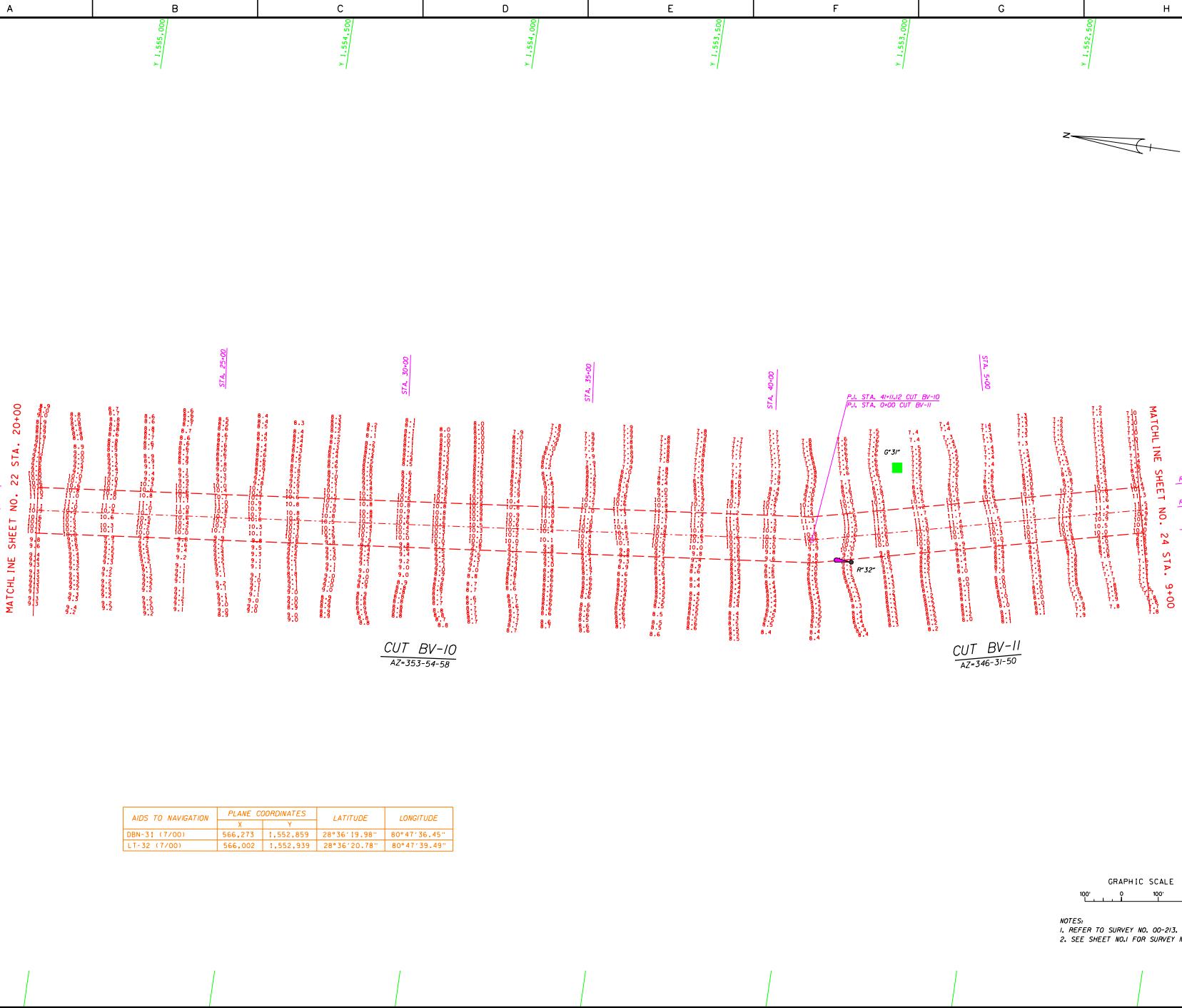


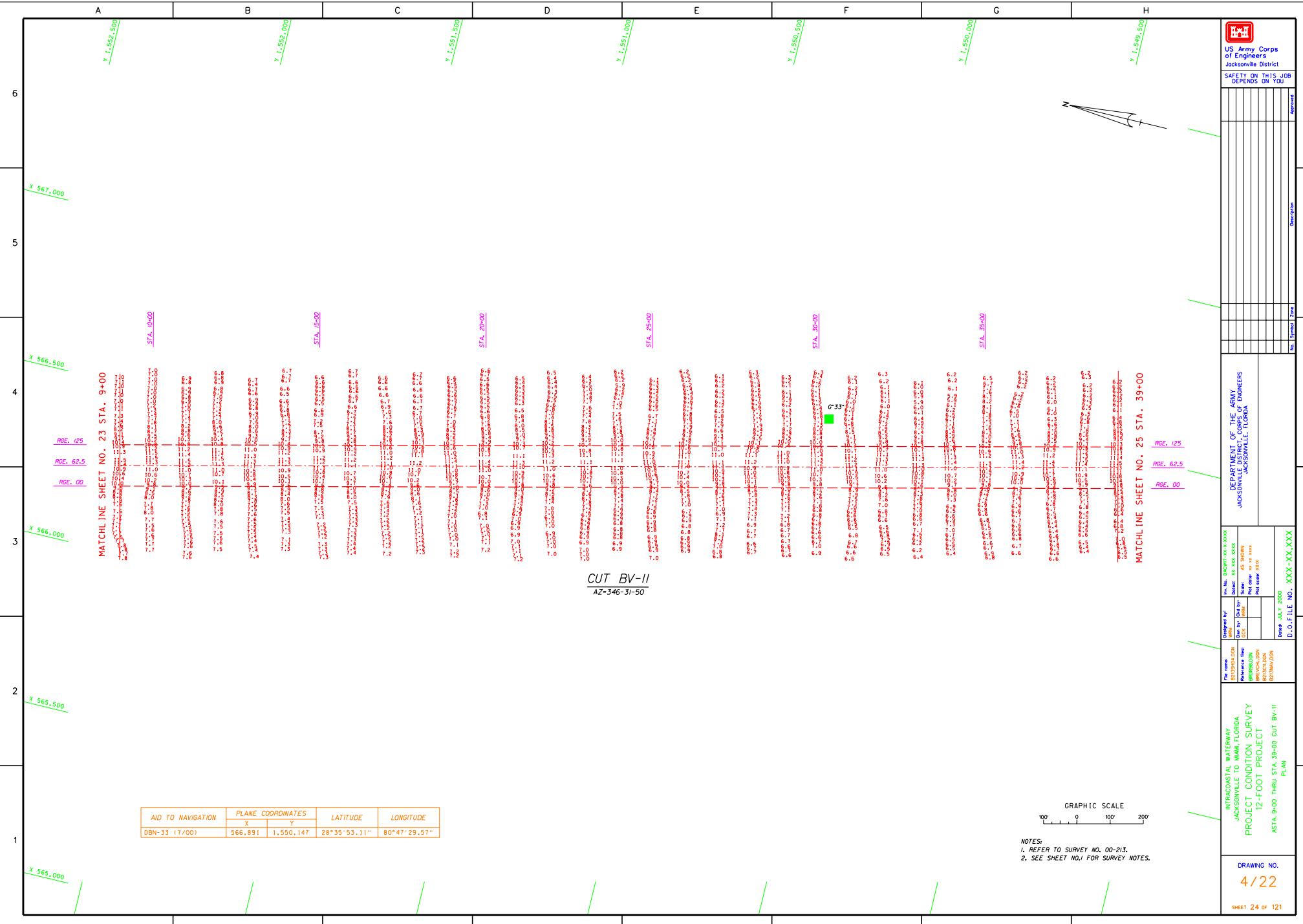
SAFETY ON THIS JOB DEPENDS ON YOU

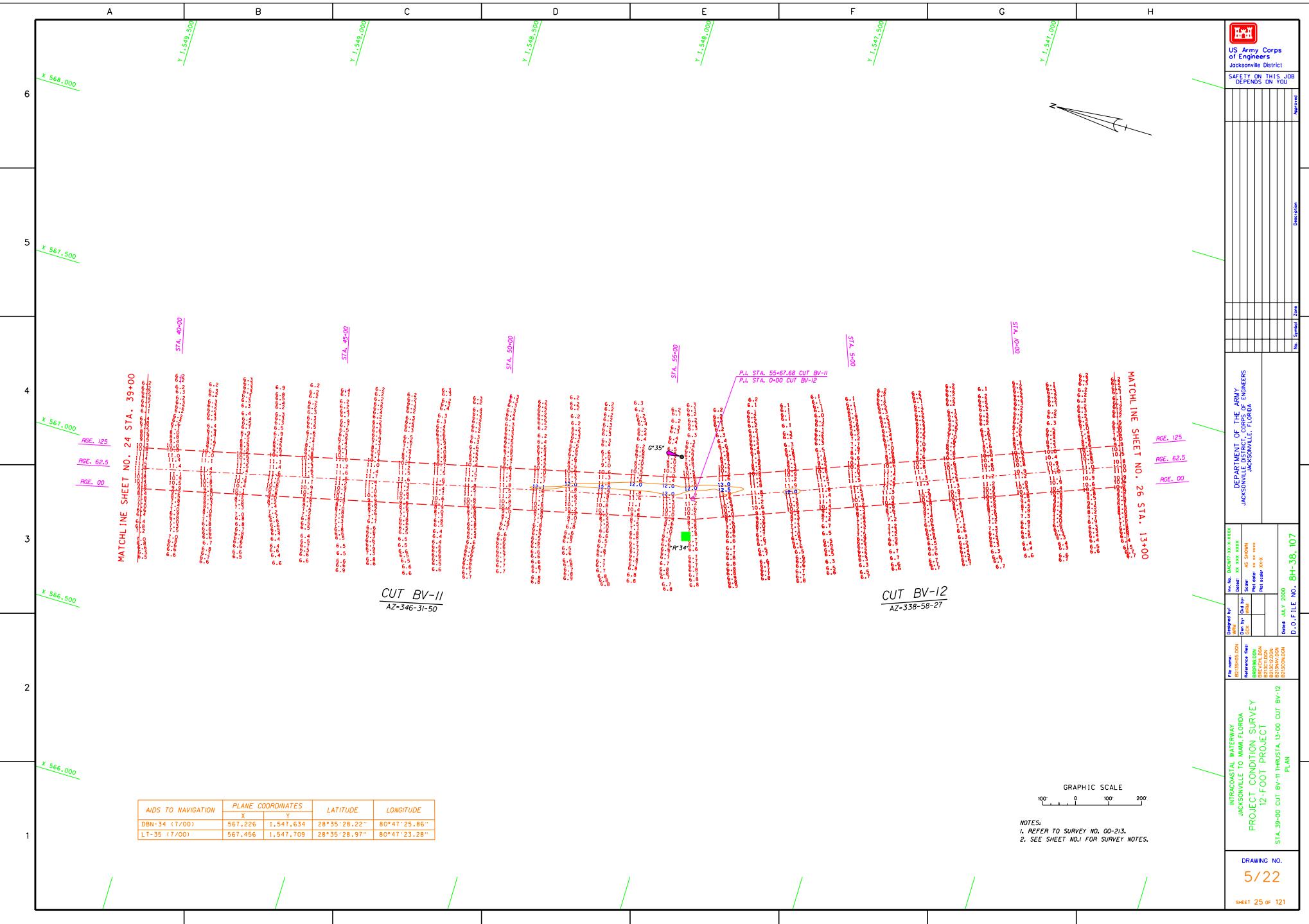
Approved _____

Date _____

Description _____









SAFETY ON THIS JOB

DEPENDS ON YOU

Approved _____

Description _____

No. Symmet. Zone _____

D.O.F. No. 8H-3B, 107

Project No. STA 13+00 CUT BV-12 PLAN

Date JULY 2000 BY

Prepared by:

Title: COK

Ref. No.:

Scale: 1:24,000

Drawing No. 6/22

Sheet 26 of 121

MATCH LINE SHEET NO. 27 STA. 43+00

RGE. 125

RGE. 62.5

RGE. 00

X 568,000

Y 1,547,500

X 566,500

Y 1,546,500

X 565,500

Y 1,545,500

X 564,500

Y 1,544,500

N

E

S

W

NE

SW

NW

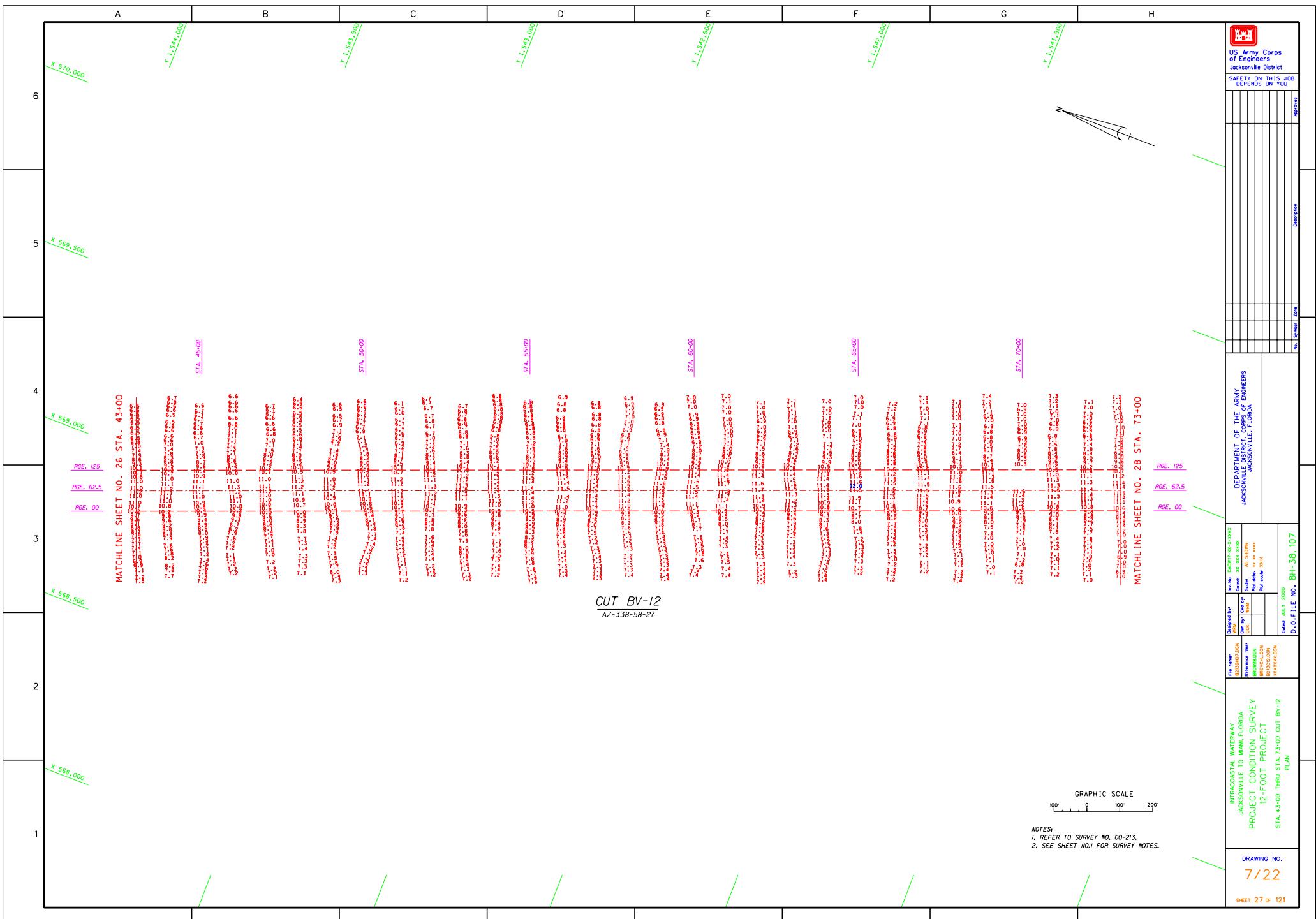
SE

SW

CUT BV-12
AZ-338-58-27

AID TO NAVIGATION	PLANE COORDINATES	LATITUDE	LONGITUDE
DBN-36 (7/00)	X 568,156 Y 1,544,955	28°35'01.68"	80°47'15.48"

GRAPHIC SCALE
100' 0' 100' 200'NOTES:
1. REFER TO SURVEY NO. 00-213.
2. SEE SHEET NO. FOR SURVEY NOTES.DRAWING NO. 6/22
SHEET 26 OF 121



 US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved _____

Description _____

MATCHLINE SHEET NO. 27 STA. 73+00

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-38 (7/00)	570,398	1,539,423	28°34'06.87"	80°46'50.44"

RGE. 125

RGE. 62.5

RGE. 00

STA. 73+00

STA. 80+00

STA. 85+00

STA. 90+00

STA. 95+00

STA. 100+00

MATCHLINE SHEET NO. 29 STA. 103+00

RGE. 125

RGE. 62.5

RGE. 00

STA. 103+00

CUT BV-12
AZ-338-58-27

GRAPHIC SCALE
100' 0' 100' 200'

NOTES:
1. REFER TO SURVEY NO. 00-213.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Project No. Drawing No. Date Drawn by
BUREAU OF INGENIERIE XX-XXXXX C.R.C. Scale: As Shown
JACKSONVILLE, FLORIDA
PROJECT SURVEY
12'-FOOT PROJECT
STA. 73+00 THRU STA. 103+00 CUT BY 12
PLAN D.O.F. No. 84-38-107

DRAWING NO.
8/22
SHEET 28 OF 121



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

Approved

Date

Signature

Description

MATCHLINE SHEET NO. 28 STA. 103+00

RGE. 125

RGE. 62.5

RGE. 00

STA. 105+00

X 572,000

Y 1,538,000

Y 1,538,000

STA. 106+00

X 571,500

Y 1,537,500

Y 1,537,500

STA. 107+00

Y 1,537,000

STA. 108+00

Y 1,536,500

STA. 109+00

Y 1,536,000

Y 1,535,500

AID TO NAVIGATION	PLANE COORDINATES	LATITUDE	LONGITUDE
DBN-39 (T/00)	571,679	1,536,892	28°33'41.78" 80°46'36.13"

CUT BV-12

AZ-338-58-27

MATCHLINE SHEET NO. 30 STA. 133+00

RGE. 125

RGE. 62.5

RGE. 00

X 570,500

Y 1,536,500

Y 1,535,500

GRAPHIC SCALE
100' 0' 100' 200'

NOTES:
1. REFER TO SURVEY NO. 00-213.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

PROJECT: CONDITION SURVEY	DESIGNER: DRAWN BY: DATE: DRAWN BY:
JACKSONVILLE TO MAMI, FLORIDA	XX XXXX XXXX
12'-FOOT PROJECT	XX XXXX XXXX
STA. 103+00 THRU STA. 133+00 CUT BY 12' PLANE	AS SHOWN
D.O.F. FILE NO. 8H-3B, 107	PLANE
DRAFTING NO. 9/22	
SHEET 29 OF 121	

Approved
Approved
Approved
Approved

MATCHLINE SHEET NO. 29 STA. 133+00

RGE. 125
RGE. 62.5
RGE. 00

AID TO NAVIGATION		PLANE COORDINATES		LATITUDE	LONGITUDE
X	Y				
DBN-40 (7/00)		572,503	1,533,914	28°33'12.28"	80°46'26.96"

X 572,500

X 573,000

X 1,535,000

X 1,534,000

X 1,534,000

X 1,533,000

X 1,533,000

MATCHLINE SHEET NO. 31 STA. 163+00

RGE. 125
RGE. 62.5
RGE. 00

STA. 163+00

A

B

C

D

E

F

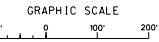
G

H

CUT BV-12
AZ-338-58-27

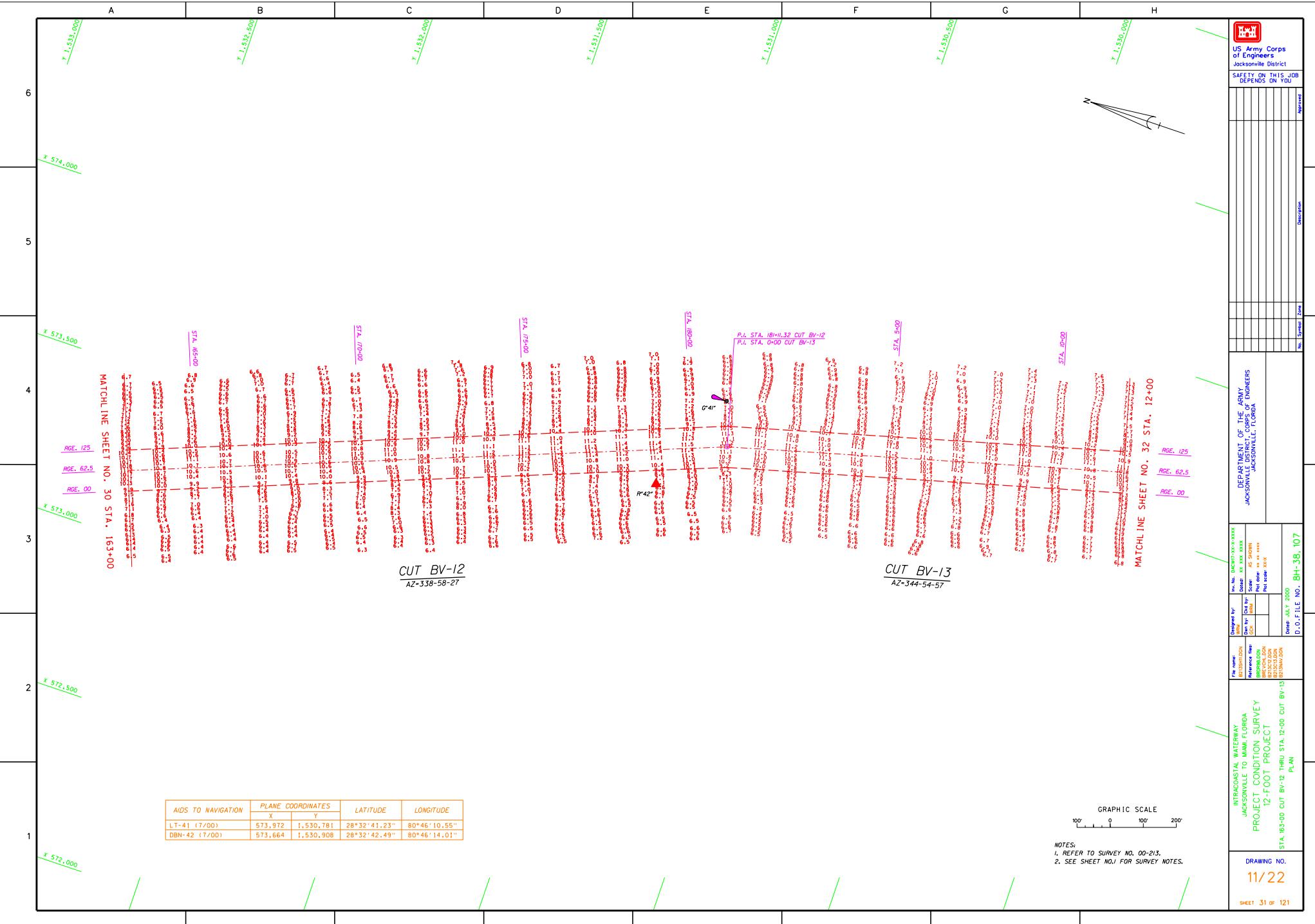
STA. 163+00

R° 40'



NOTES:
1. REFER TO SURVEY NO. 00-XXXX.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

INTRACOASTAL WATERWAY JACKSONVILLE TO MAMI, FLORIDA PROJECT CONDITION SURVEY 12'-FOOT PROJECT STA. 133+00 THRU STA. 163+00 CUT BY-12 PLAN D.O.F. FILE NO. 84-38-107	Drawn by: BUSSARD, DOUG Date Drawn: Reference Sheet: Scale: Plan No.: Rev. Date: By whom: Reviewed by: Revised by: Approved by: Date: JULY 2000 BUREAU OF RECLAMATION BY-12	DEPARTMENT OF THE ARMY U.S. ARMY CORPS OF ENGINEERS JACKSONVILLE, FLORIDA Project Manager: Surveyor: Plan No.: Rev. Date: By whom: Reviewed by: Revised by: Approved by: Date: JULY 2000 BUREAU OF RECLAMATION BY-12
DRAWING NO. 10/22 SHEET 30 OF 121		



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved _____

MATCHLINE SHEET NO. 31 STA. 12+00

RGE. 125

RGE. 62.5

RGE. 00

AIDS TO NAVIGATION	PLANE COORDINATES	LATITUDE	LONGITUDE
X	Y		
LT-43 17/001	574,843 1,527,473	28°32'08.46"	80°46'00.81"
DBN-44 17/000	574,619 1,527,417	28°32'07.91"	80°46'03.38"

CUT BV-13
AZ-344-54-57

Y 1,530,000

Y 1,529,200

Y 1,529,000

Y 1,528,500

Y 1,528,200

Y 1,527,500

Y 1,527,000

6

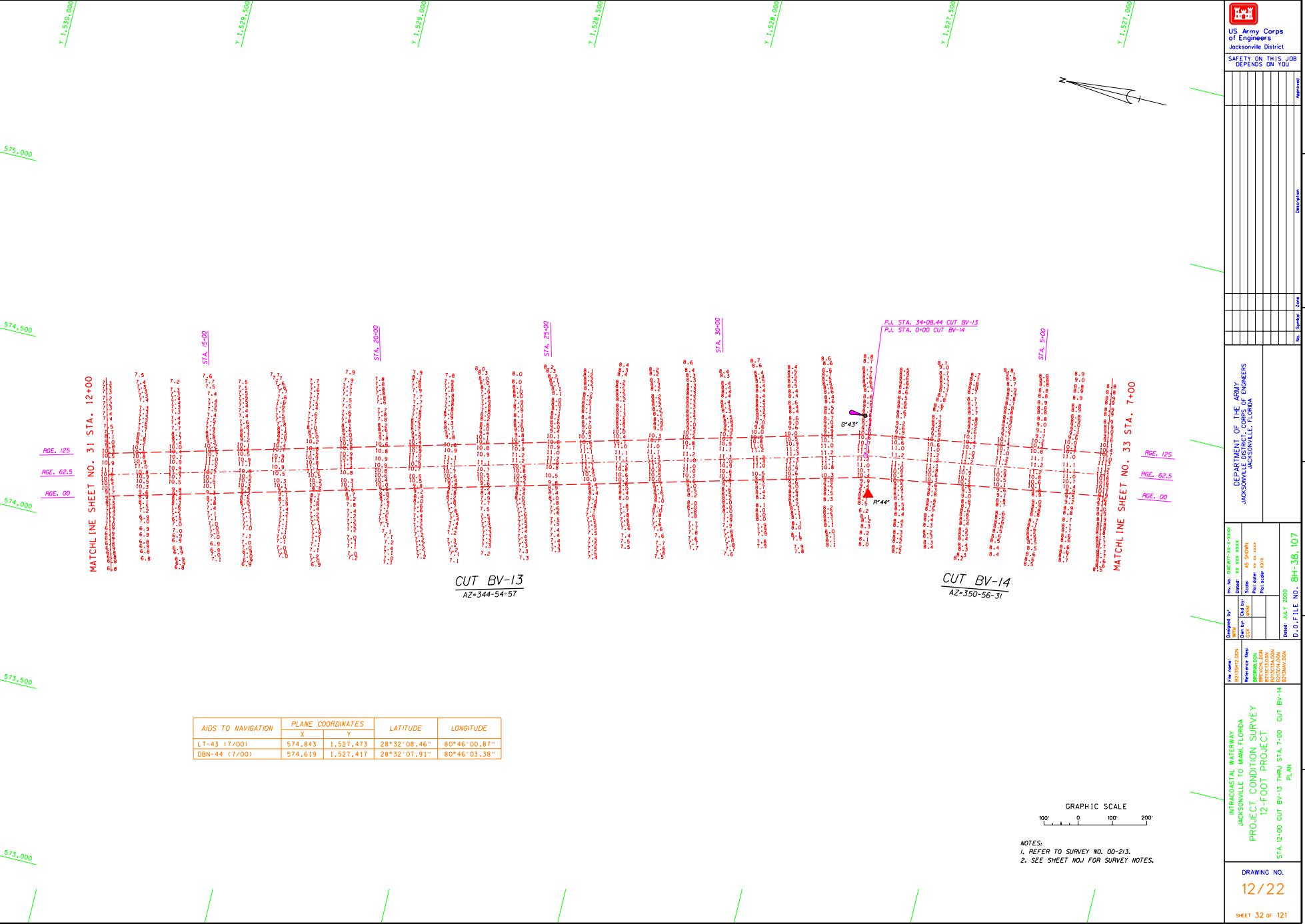
5

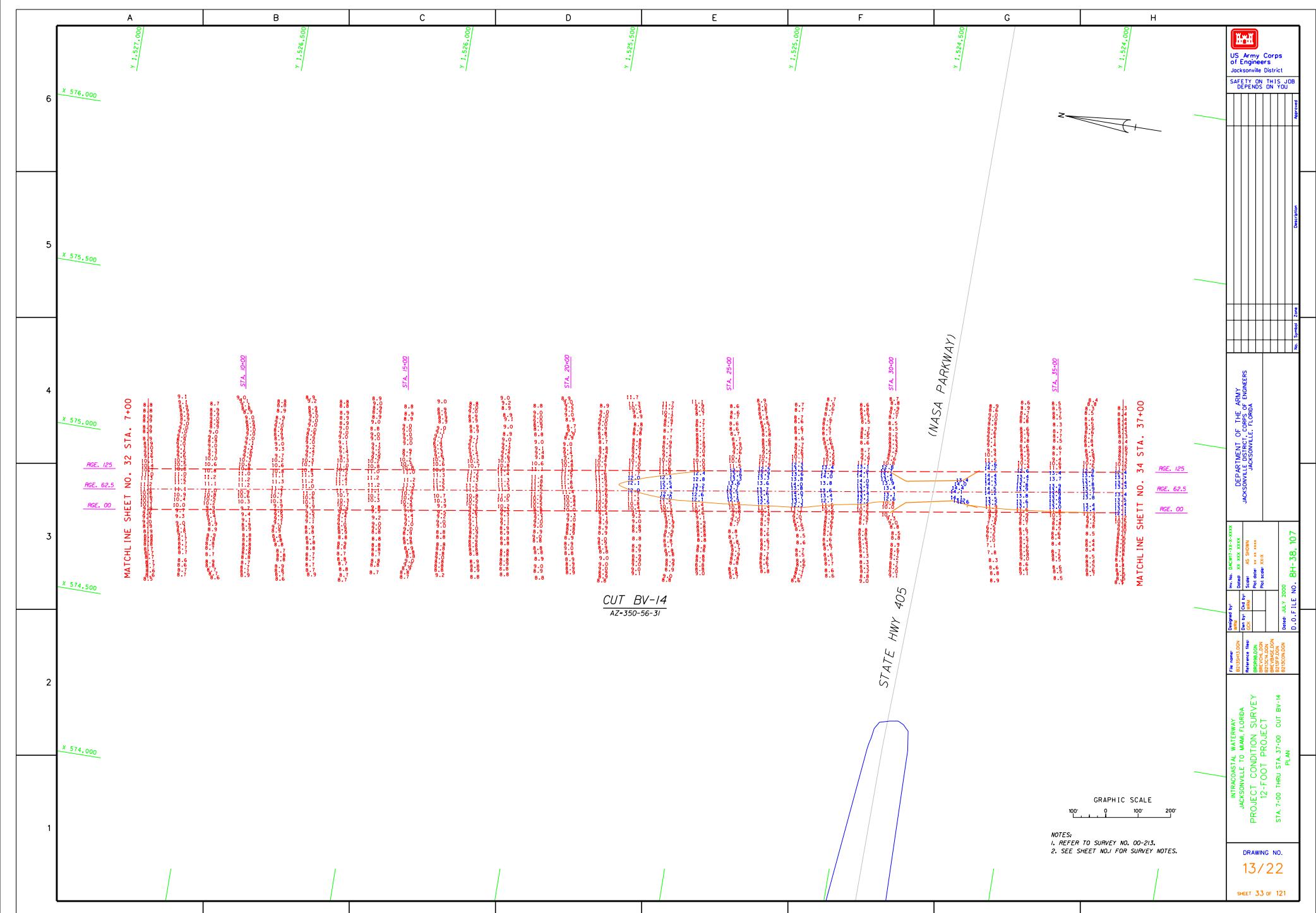
4

3

2

1





US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved _____

Description _____

MATCHLINE SHEET NO. 33 STA. 37+00

RGE. 125

RGE. 62.5

RGE. 00

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-47 (8/00)	575,837	1,521,462	28°31'08.92"	80°45'49.84"

X 576,500

X 576,000

X 575,500

X 575,000

X 574,500

Y 1,524,500

Y 1,523,500

Y 1,523,000

Y 1,522,500

Y 1,522,000

Y 1,521,500

Y 1,521,000

CUT BV-14
AZ-350-56-37

GRAPHIC SCALE
100' 0' 100' 200'

NOTES:
1. REFER TO SURVEY NO. 00-213.
2. SEE SHEET NO. 00 FOR SURVEY NOTES.

RGE. 125
RGE. 62.5
RGE. 00

MATCHLINE SHEET NO. 35 STA. 67+00

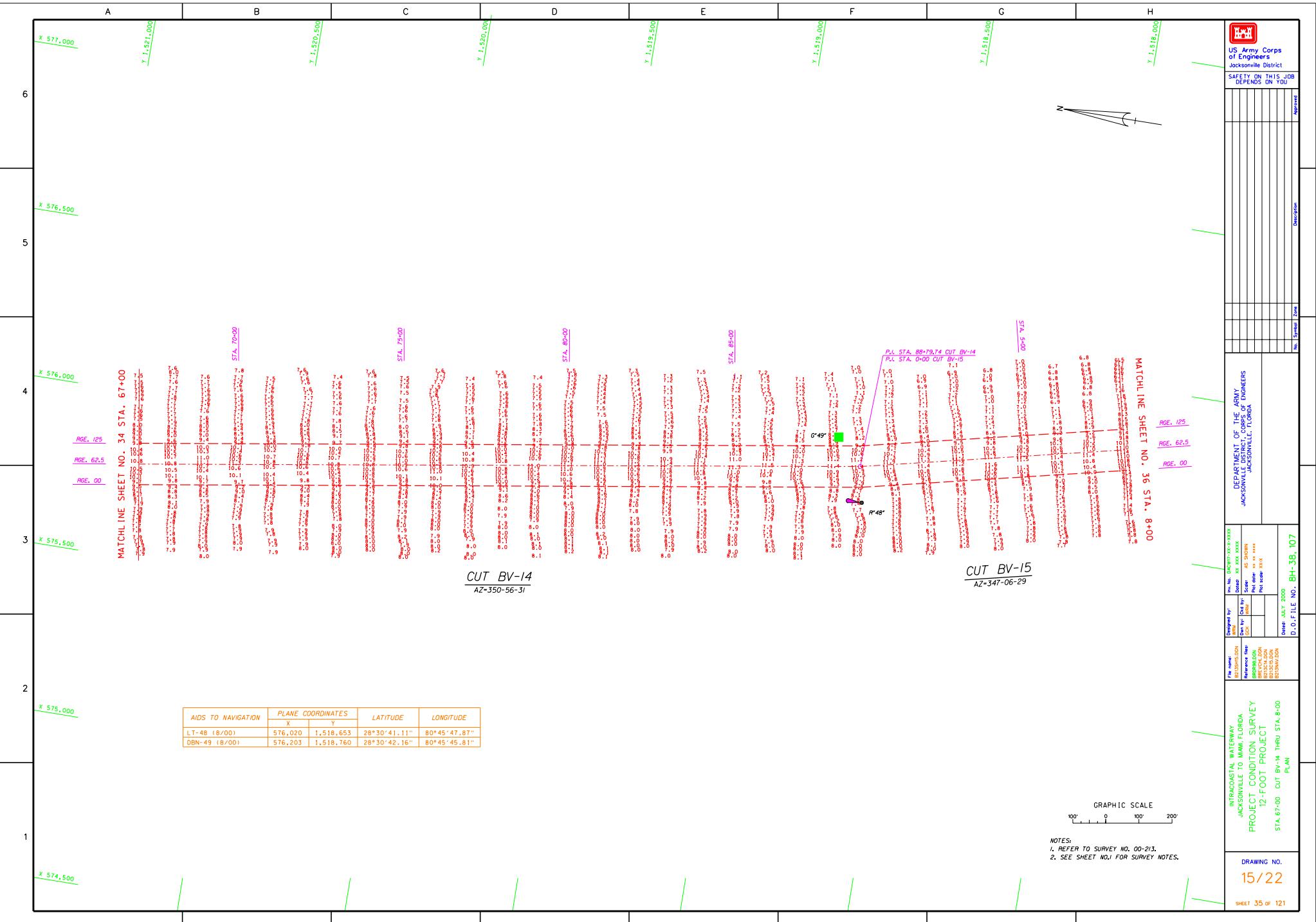
RGE. 125

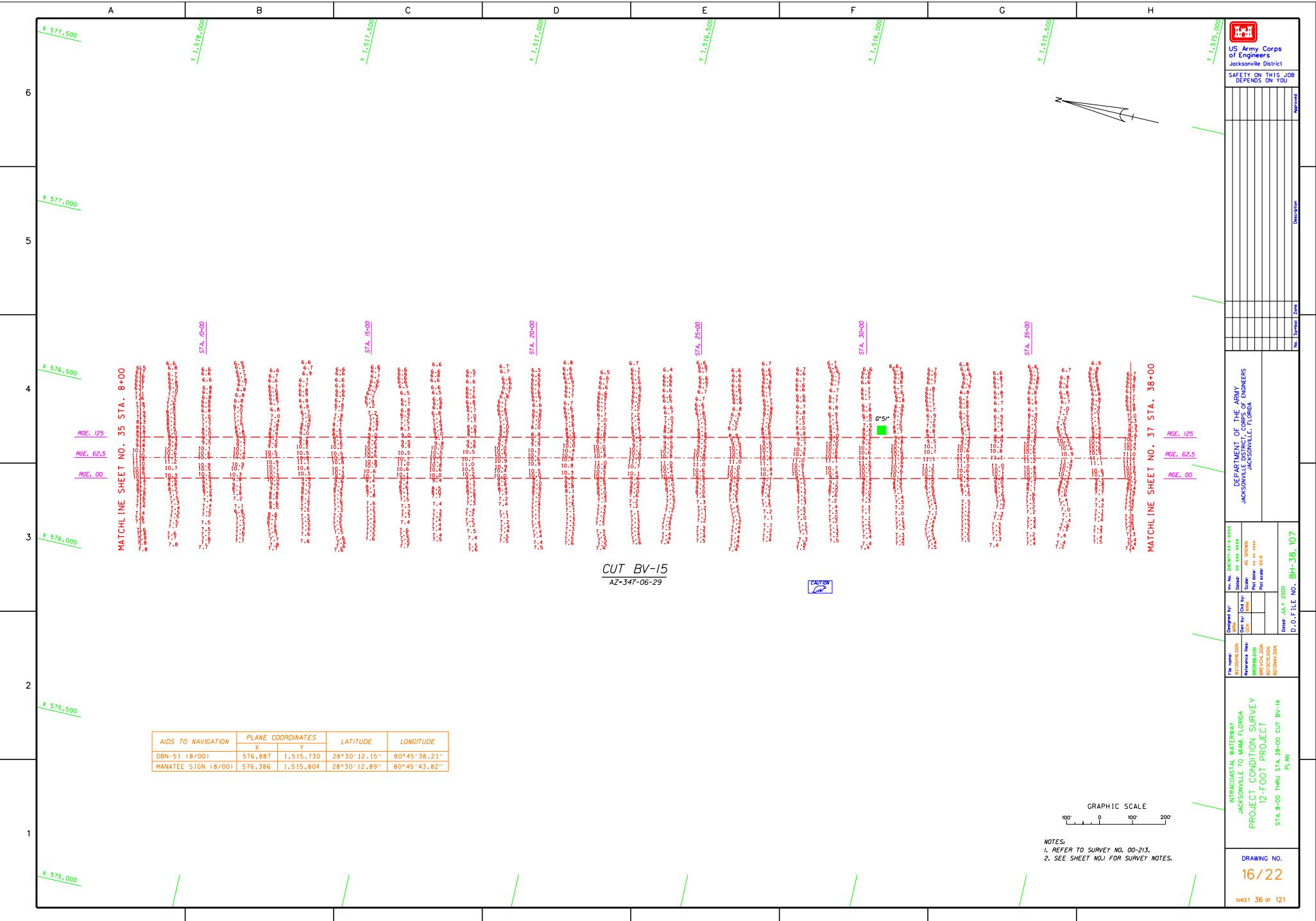
RGE. 62.5

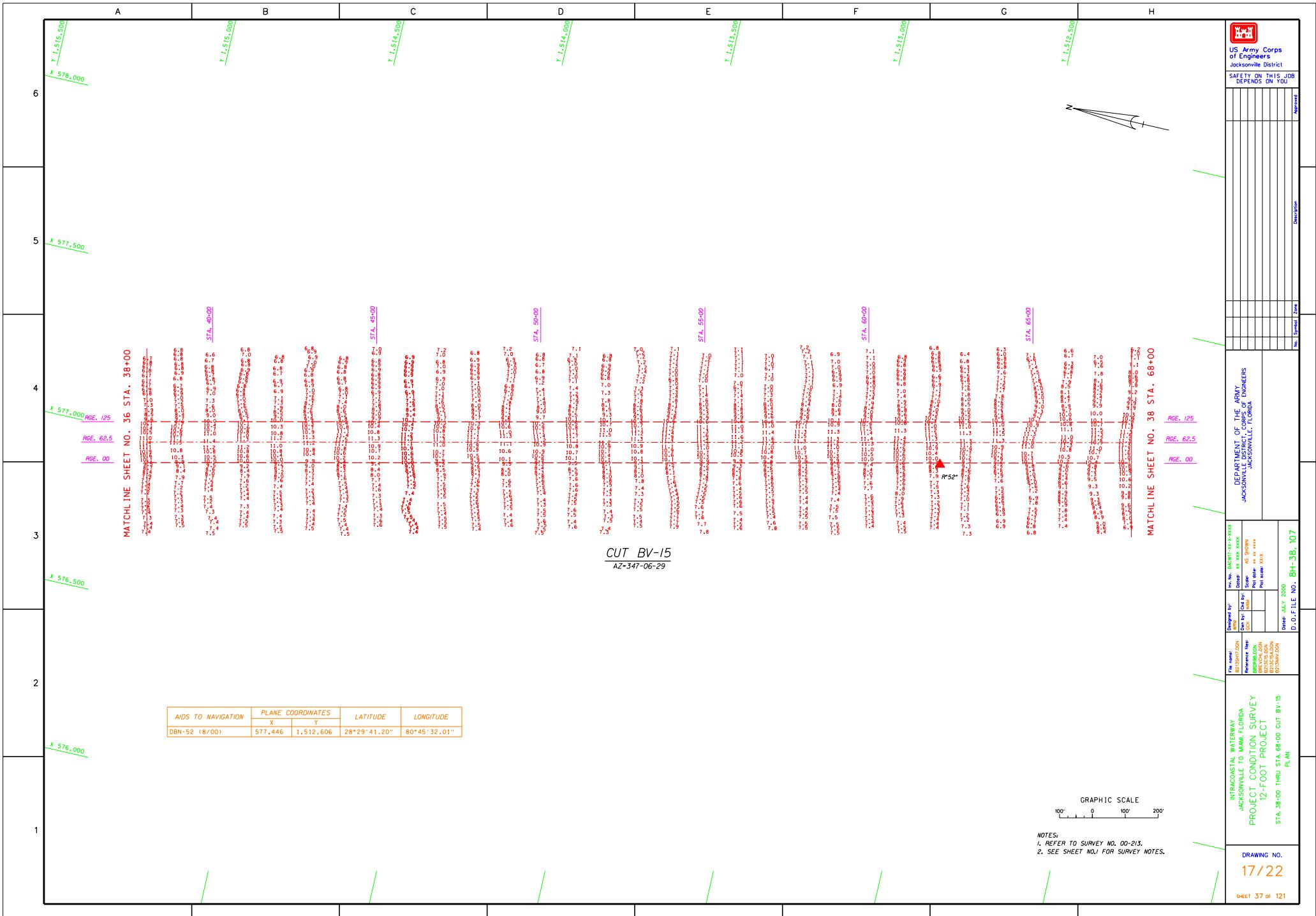
RGE. 00

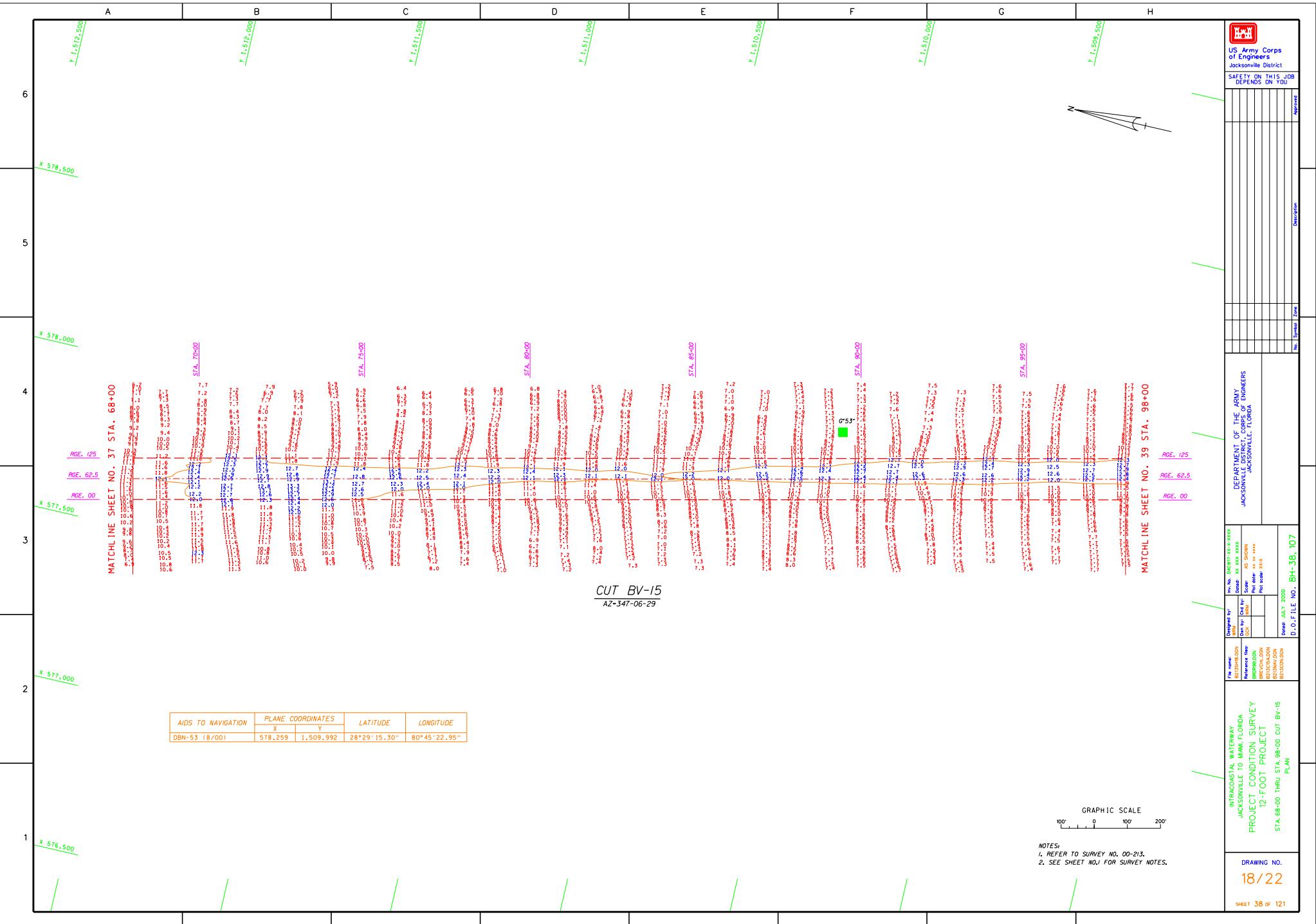
Project Name: INTRACOASTAL WATERWAY JACKSONVILLE TO MAMI, FLORIDA	Design By: Drawing No.: D-147-14-A-XXXX
Business Unit: PROJECT CONDITION SURVEY	Date Drawn: XX-XXXX-XXXX
Ref. No.: C-XXXX	Scale: 1" = XXXX'
As Drawn: X	Rev. Date: X-XXXX
Revised: X	Proj. Scale: XXXX'
Revised: X	Rel. Scale: XXXX'
Revised: X	Responsible: XXXX
Revised: X	Reviewing: XXXX
Revised: X	Approving: XXXX
Revised: X	Date JULY 2000
Planned: X	File No.: 8H-38, 107

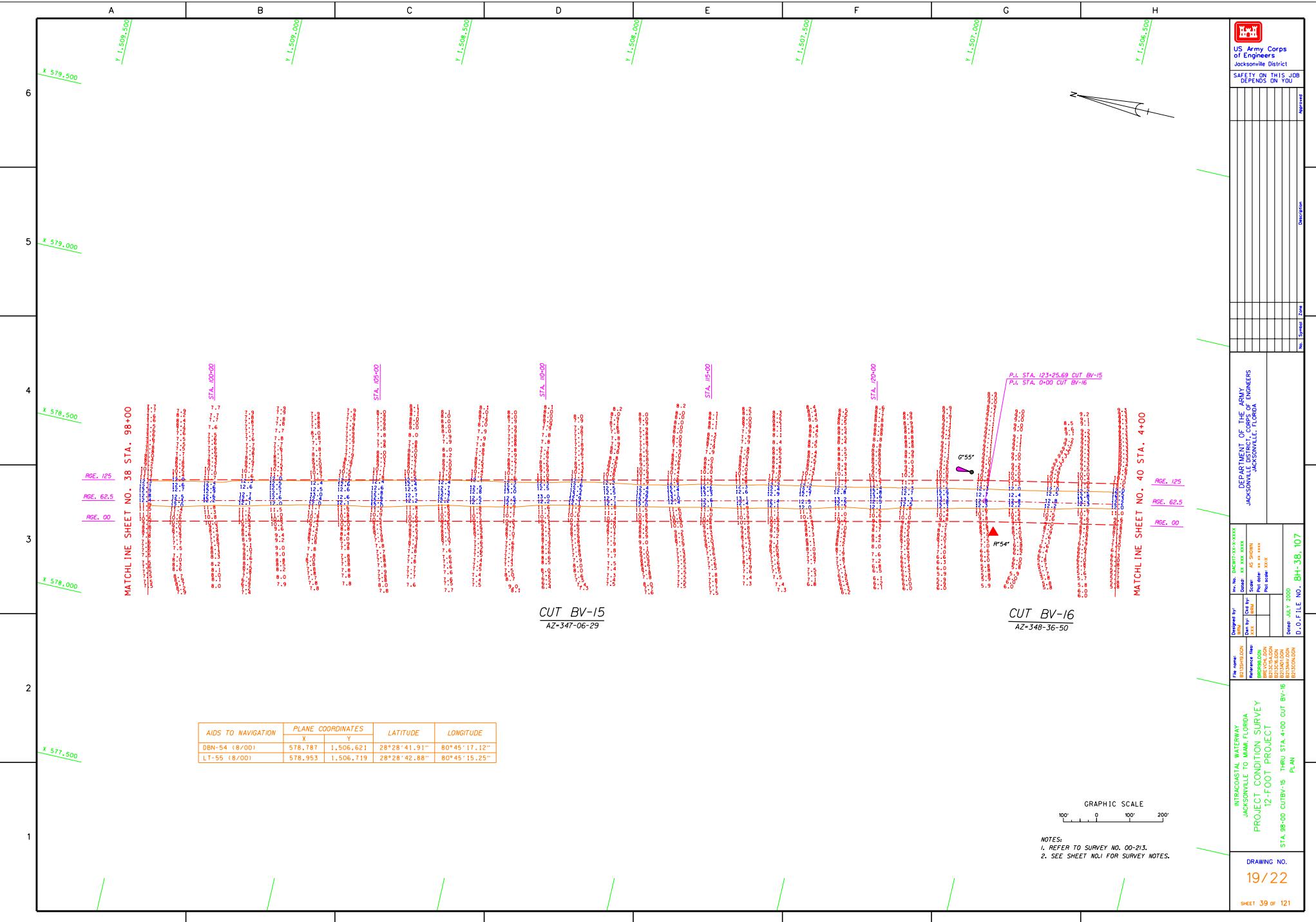
DRAWING NO.
14/22
SHEET 34 OF 121

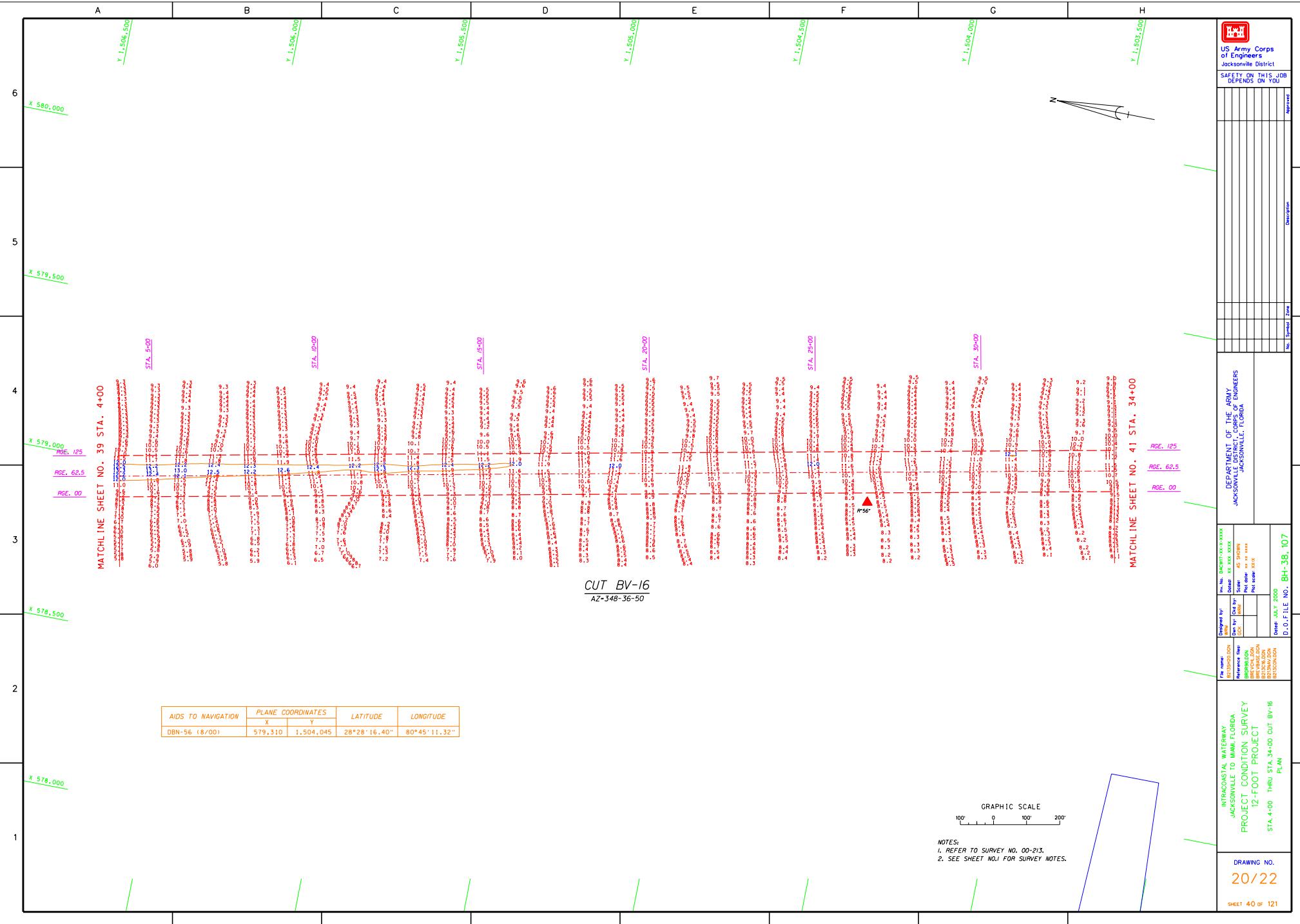














US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB

DEPENDS ON YOU

Approved _____

MATCHLINE SHEET NO. 40 STA. 34+00

RGE. 125
RGE. 62.5
RGE. 00

X 580,500
Y 1,503,500

X 580,000
Y 1,503,400

X 579,500
Y 1,502,500

X 579,000
Y 1,502,400

X 578,500
Y 1,502,300

X 578,000
Y 1,502,200

X 577,500
Y 1,502,100

X 577,000
Y 1,502,000

X 576,500
Y 1,501,900

X 576,000
Y 1,501,800

X 575,500
Y 1,501,700

X 575,000
Y 1,501,600

X 574,500
Y 1,501,500

X 574,000
Y 1,501,400

X 573,500
Y 1,501,300

X 573,000
Y 1,501,200

X 572,500
Y 1,501,100

X 572,000
Y 1,501,000

X 571,500
Y 1,500,900

X 571,000
Y 1,500,800

X 570,500
Y 1,500,700

X 570,000
Y 1,500,600

X 569,500
Y 1,500,500

X 569,000
Y 1,500,400

X 568,500
Y 1,500,300

X 568,000
Y 1,500,200

X 567,500
Y 1,500,100

X 567,000
Y 1,500,000

X 566,500
Y 1,500,900

X 566,000
Y 1,500,800

X 565,500
Y 1,500,700

X 565,000
Y 1,500,600

X 564,500
Y 1,500,500

X 564,000
Y 1,500,400

X 563,500
Y 1,500,300

X 563,000
Y 1,500,200

CUT BV-16
AZ-348-36-50

GRAPHIC SCALE
100' 0" 0' 100' 200'

NOTES:
1. REFER TO SURVEY NO. 00-213.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

DRAWING NO.
21/22
SHEET 41 OF 121

File Name:	Inv. No.:	Design By:	Date:
INTRACOASTAL WATERWAY	DA-0000000	BUSINESS UNIT:	0000-0000
JACKSONVILLE TO MAMI, FLORIDA	BU:	Det. No.:	XX-XXXX-XXXX
PROJECT CONDITION SURVEY	Ref. No.:	Det. By:	AS SHOWN
12'-FOOT PROJECT	Scale:	Proj. Date:	xx/xx/xx
STA. 35+00 THRU STA. 64+00 CUT BV-16	Revised:	Proj. Scale:	xx/xx/xx
PLAN	REISSUED:	Date:	xx/xx/xx
	BY:	REISSUED:	xx/xx/xx
	FOR:	BY:	xx/xx/xx
	REASON:	FOR:	xx/xx/xx

